

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: KENJI MIYATA ET AL
Serial No.: [NEW] Group Art Unit: (Not yet assigned)
Filed: Herewith Examiner: (Not yet assigned)
Title: NON-CONTACT ROTATIONAL POSITION SENSOR AND
THROTTLE VALVE ASSEMBLY INCLUDING NON-CONTACT
ROTATIONAL POSITION SENSOR

REISSUE APPLICATION DECLARATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As below named inventors, we hereby declare that:

Our residence, mailing address and citizenship are stated below next to our names. We believe we are the original, first and joint inventors of the subject matter which is described and claimed in patent number 6,559,637, granted May 6, 2003, and for which a reissue patent is sought on the invention entitled:

**NON-CONTACT ROTATIONAL POSITION SENSOR AND
THROTTLE VALVE ASSEMBLY INCLUDING NON-CONTACT
ROTATIONAL POSITION SENSOR**

the specification of which is attached hereto.

We have reviewed and understand the contents of the above identified specification, including the claims.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

We verily believe the original patent to be wholly or partly inoperative or invalid, by reason of the patentees claiming less than they had the right to claim in the patent. For example, the original claims did not set forth a non-contact rotational position sensor comprising a rotating axis, an annular or semi-annular magnet, magnetic substance assemblies, a pair of small air gaps and a magnetic sensitive device as defined in new Claim 21, or the combination of a permanent magnet, a magnetic path member, a magnetic sensitive device and a slit as defined in new Claim 25.

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicants. As named inventors, we hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the United States and Trademark Office connected therewith:

Herbert I. Cantor, Reg. No. 24,392; James F. McKeown,
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We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that

willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any reissue patent issuing thereon, or any patent to which this declaration is directed.

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(date)

Masanori Kubota

(signature of 5th inventor)

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Hitachi, Ltd. and Hitachi Car Engineering Co., Ltd.

Application No./Patent No.: 6,559,637 Filed/Issue Date: May 6, 2003

Entitled: Non-Contact Rotational Position Sensor and Throttle Valve Assembly Including Non-Contact Rotational Position Sensor

Hitachi, Ltd. and Hitachi Car Engineering Co., Ltd., Corporations in Japan,

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that they are:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is ____%

in the patent application/patent identified by virtue of either:

- A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded July 12, 2001 in the United States Patent and Trademark Office at Reel 011981, Frame 0847.

OR

- B. [] A chain of title from the inventor(s) of the present application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel ____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel ____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

For HITACHI, LTD.:

Feb. 26, 2004
Date

Yasuo SAKUTA

Typed or printed name



Signature

Patent Attorney, Executive Officer,

Intellectual Property Group(Authorized Signing Officer)

Title

For HITACHI CAR ENGINEERING CO., LTD.:

2/20/2004
Date

Shunichi SHIINA



Typed or printed name



Signature

President

Title

REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT		Docket Number (Optional) 056205.49851RE
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) KENJI MIYATA , SATOSHI SHIMADA , FUMIO TAJIMA , TOSHIFUMI USUI		
Patent Number 6,559,637	Date Patent Issued May 6, 2003	
Title of Invention NON-CONTACT ROTATIONAL POSITION SENSOR AND THROTTLE VALVE ASSEMBLY INCLUDING NON-CONTACT ROTATIONAL POSITION SENSOR		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignees owning an undivided interest in said original patent are HITACHI, LTD. and HITACHI CAR ENGINEERING CO., LTD., and the assignees consent to the accompanying application for reissue.		
For HITACHI, LTD.: (Signature) 	Date <i>Feb. 26, 2004</i>	
Typed or printed name and title of person signing for assignee Yasuo SAKUTA (Patent Attorney, Executive Officer, Intellectual Property Group) (Authorized Signing Officer)		
For HITACHI CAR ENGINEERING CO., LTD.: (Signature) 	Date <i>2/20/2004</i>	
Typed or printed name and title of person signing for assignee Shunichi SHIINA (President)		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.